

Title (en)

BLOCKCHAIN-BASED SYSTEM AND METHOD FOR PUBLISHING AN OPERATING SYSTEM

Title (de)

BLOKKAIN-BASIERTES SYSTEM UND VERFAHREN ZUR VERÖFFENTLICHUNG EINES BETRIEBSSYSTEMS

Title (fr)

SYSTÈME ET PROCÉDÉ FAISANT APPEL À UNE CHAÎNE DE BLOCS PERMETTANT DE PUBLIER UN SYSTÈME D'EXPLOITATION

Publication

**EP 4176364 A1 20230510 (EN)**

Application

**EP 21763359 A 20210823**

Priority

- GB 202014825 A 20200921
- EP 2021073219 W 20210823

Abstract (en)

[origin: GB2598942A] Identifying one or more target transactions, recorded on a blockchain, that contain operating system software stored in a payload of one of the target transactions 910, then accessing the operating system software from the payload of one of the target transactions stored on the blockchain 920, and running the operating system software by executing the executable code of the operating system 930. There is also a second invention where an operating system is published by transmitting it to a payload of a transaction on a blockchain, and a third invention where a tree structure on a blockchain is updated by appending new leaf nodes to other leaf nodes, where the new leaf nodes represent an update or deletion of a respective target transaction of the leaf node that the new leaf node was appended to. The system may also allow the user to stream the operating system from the blockchain without having to install.

IPC 8 full level

**G06F 21/57** (2013.01); **G06F 21/12** (2013.01); **H04L 9/32** (2006.01)

CPC (source: EP GB KR US)

**G06F 21/10** (2013.01 - GB); **G06F 21/12** (2013.01 - EP KR US); **G06F 21/57** (2013.01 - EP KR US); **G16Y 30/10** (2020.01 - KR); **H04L 9/3236** (2013.01 - EP KR); **H04L 9/50** (2022.05 - EP KR)

Citation (search report)

See references of WO 2022058124A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**GB 202014825 D0 20201104**; **GB 2598942 A 20220323**; CN 116569517 A 20230808; EP 4176364 A1 20230510; JP 2023544518 A 20231024; KR 20230073274 A 20230525; US 2023342437 A1 20231026; WO 2022058124 A1 20220324

DOCDB simple family (application)

**GB 202014825 A 20200921**; CN 202180064118 A 20210823; EP 2021073219 W 20210823; EP 21763359 A 20210823; JP 2023518285 A 20210823; KR 20237013369 A 20210823; US 202118026562 A 20210823